# DATABASE ENGINES FOR PROCESSING IDEOGRAPHIC
## CHARACTERS AND METHODS THEREFOR

### ABSTRACT

5          A computer-implemented method for encoding a handwritten stroke set, each
of the handwritten stroke set being representative of a constituent stroke of an
ideographic character, to obtain an encoded input sequence. The method includes
ascertaining a shape of a first stroke of the handwritten stroke set and ascertaining one
of a location information and a size information pertaining to the first stroke. The
10     method further includes assigning a first code to the encoded input sequence
responsive to a determination of the shape of the first stroke and a determination of
the one of the location information and the size information of the first stroke. The
first code is predefined to represent the shape of the first stroke and the one of the
location information and the size information of the first stroke. The first code is
15     sufficiently unique to distinguish the first code from other codes representing other
permutations of shape and the one of the location information and the size information
of the first stroke.